

Below please find the weekly updates for the Temporary Barriers Project. As of yesterday, the head of Old River is completely out. However, the three remaining agricultural barriers are in full operation until the removal in November. The next major event is notching the barriers in Mid-September and perhaps installing the fall head of Old River barrier if the situation calls for it.

STATUS AS OF: June 27, 2014

Agricultural Barriers (Middle River [MR], Old River near Tracy [ORT], Grant Line Canal [GLC]): Temporary agricultural barrier installation of the Middle River started on March 11, 2014 and the weir section was closed on March 17, 2014. The culvert flap gates have been operating tidally as of April 8, 2014 and the weir section was raised on June 26, 2014. The installation of the Old River near Tracy barrier started on March 11, 2014. The weir section was closed on Thursday, April 3, 2014 and the barrier construction was completed on Tuesday April 8, 2014. The culvert flap gates have been tidally operated as of April 8, 2014. The boat tender is on duty. The partial closure of the Grant Line Canal barrier was achieved on Friday March 28, 2014. Full closure of the weir section occurred on June 3, 2014. The culvert flap-gates were released to tidal operation on June 25, 2014. The boat tender is on duty.

Head of Old River Barrier [HORB]: The construction on the [spring Head of Old River barrier](#) began on Tuesday March 25, 2014. Closure was achieved on April 08, 2014. The barrier construction was completed on Friday April 11, 2014. All 8 slide gates were open during its entire spring operation. Construction removal of the barrier started on May 28, 2014 and breach of the weir section occurred on Monday June 9, 2014. The construction removal/demobilization process was completed on Thursday June 25, 2014.

Summary of 2014 Temporary Barriers Culvert Operations

Date of change	Middle River (Culverts always in)	Grantline Canal (Culverts always in)	Old River near Tracy (Culverts removed seasonally)	Spring Head of Old River (Culverts removed seasonally)
3-17-2014	●●●●●●●●	●●●●●●●●	Barrier Not Installed	Barrier out
4-3-2014	●●●●●●●●	●●●●●●●●	●●●●●●●●●●	Barrier out
4-8-2014	●●●●●●●●	●●●●●●●●	●●●●●●●●●●	●●●●●●●●●●
6-9-2014	●●●●●●●●	●●●●●●●●	●●●●●●●●●●	Barrier Breached
6-25-2014	●●●●●●●●	●●●●●●●●	●●●●●●●●●●	Barrier Out

Legend:

- - Culvert flap-gates tidally operated (flap-gates closed)
- - Culvert flap-gates tied open (SHORB slide gates open)

Environmental Permits Compliance Reporting: Staff continues with the Environmental Compliance Monitoring as scheduled. No incidental cases of listed species were observed.

Water Levels and Water Quality Notifications: All three agricultural barriers (Middle River, Grantline Canal, and Old River near Tracy) are fully closed and the Spring Head of Old River Barrier has been removed. DWR will continue to monitor water levels.

Modeling: Modeling Assumptions:

- Middle River barrier closed March 17th, 2014, all 6 culvert flap-gates tidally operated. The Middle River barrier was raised one foot on June 26, 2014.

- Grantline Canal barrier was fully closed on June 3, 2014 with all 6 culvert flap-gates tied open. The culvert flap-gates were released to tidal operation on June 25, 2014.

- Old River near Tracy barrier was closed on April 3rd, all 9 culvert flap-gates are tidally operated.

- Spring Head of Old River barrier was breached on June 9, 2014, and the construction removal process was completed on June 25, 2014.

Actual minimum water levels are above target levels at all three Ag barriers (Middle River, Grantline Canal, and Old River near Tracy) and should remain that way through the end of the forecast period.

Real-time south Delta water level data is available on CDEC at the URL below:

<http://cdec.water.ca.gov/river/southdeltaStages.html>